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THE COUNCIL FOR TOBACCO RESEARCH–U.S.A., INC.

110 EAST 59TH STREET
NEW YORK, N. Y. 10022
(212) 421-8885

RECEIVED
APR 25 1975

Application For Renewal of Research Grant

(Use extra pages as needed)

First Renewal ☐ Second Renewal ☒ Date: 4/21/75

1. Principal Investigator (give title and degrees): M.C. Pike, Ph.D.
Professor, Community Medicine and Pediatrics

2. Institution & address: University of Southern California
School of Medicine
2025 Zonal Avenue
Los Angeles, California 90033

3. Department(s) where research will be done or collaboration provided: Department of Pathology

4. Short title of study: Study of relationship between susceptibility to certain cancers and aryl hydrocarbon hydroxylase (AHH) activity

5. Proposed renewal date: November 1, 1975

6. How results to date have changed earlier specific research aims:

No change in basic epidemiological research aims.

7. How results to date have changed earlier working hypothesis:

The failure of both our collaborator Dr. Kouri at Microbiological Associates and ourselves to produce a reproducible AHH assay using human peripheral blood lymphocytes has caused us to change (temporarily?) from these cells to cultured cell lines of different types for assay purposes (see attached Progress Report).

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7. Any additional facilities now required? Describe briefly.

None

8. Any changes in personnel? Append biographical sketches of new key professional personnel.

The key personnel in this research are:

M.C. Pike, Ph.D.
J.C. Brown, M.D.
R.J. Gordon, Ph.D.
S. Rasheed, Ph.D. (C.V. appended)

10. Append outline of experimental protocol for ensuing year. See attached

11. List publications or papers in press resulting from this or closely related work. (append reprint or manuscripts not previously sent).

None

12. Summary progress report (append in standard form as seperate document, unless recently submitted).

See attached

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13. Budget for the coming year:

A. Salaries (give names or state "to be recruited") Professional (give % time of investigator(s) even if no salary requested)	% time	Amount
Professional		
M.C. Pike, Ph.D.	20	---
J.C. Brown, M.D.	20	---
R.J. Gordon, Ph.D.	10	---
S. Rasheed, Ph.D.	5	---
Technical		
S. Brown, Tech I	100	REDACTED
R. Hanisch, R.N., Nurse Epidemiologist	100	
H. Lewis		
a. Tech II 7/75-6/76 (R /yr)		
b. Promotion Tech III 7/76-10/76 (R /yr)	100	
Subtotal		REDACTED
Projected 10% salary increase for period July 1 - October 31, 1976 (base $11,784)		1,178
		36,230
12% of salaries and wages ($36,230)		4,348
Sub-Total for A		$40,578
B. Consumable supplies (by major categories)		
Supplies for shipments, boxes, wrappings, tubes and needles		858
Glassware, chemicals, media, automatic pipettes and miscellaneous laboratory supplies		14,520
6% tax (base $15,378)		923
Sub-Total for B		16,301
C. Other expenses (itemize)		
Specimen shipments to Microbiological Associates - $17.33/shipment×3 shipments×52 weeks		2,704
Travel: An estimated 10,000 miles @ 12¢/mile		1,200
Sub-Total for C		3,904
Running Total of A + B + C		60,783
D. Permanent equipment (itemize)		
None		
Sub-Total for D		—
E. Indirect costs (15% of A+B+C)		9,117
Total request		69,900

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14. Other sources of financial support:

List financial support from all sources, including own institution, for this and related research projects.

CURRENTLY ACTIVE

Title of Project	Source (give grant numbers)	Amount	Inclusive Dates
Comprehensive Field and Laboratory Research Program on the Etiology and Epidemiology of Human Cancer	N.C.I. Contract PH43-NCI-68-1030	2628354	7/1/74 - 6/30/75 Renewal Pending

PENDING OR PLANNED

Title of Project	Source (give grant numbers)	Amount	Inclusive Dates
Cancer Center Epidemiology and Biostatistics Unit	N.C.I. Grant POICA 10754-01	565913 annually	1/6/75 - 12/31/77

It is understood that the investigator and institutional officers in applying for a grant have read and accept the Council's "Statement of Policy Containing Conditions and Terms Under Which Project Grants Are Made."

Principal investigator

Typed Name M.C. Pike, Ph.D.

Signature [signature] Date 4/21/75

Telephone 213 (Area Code) 223-1379 (Number) (Extension)

Checks payable to University of Southern California School of Medicine

Mailing address for checks:

2025 Zonal Avenue

Los Angeles, California 90033

Attention: Gary King

Responsible officer of institution

Typed Name Z.A. Kaprielian

Title Vice President, Academic Administration & Research

Signature [signature] Date APR 18 1975

Telephone 213 (Area Code) 226-2033 (Number) (Extension)

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June 6, 1974

CURRICULUM VITAE

A. Personal Information:

Name in Full	Suraiya Rasheed, Ph.D.
Business Address	Department of Pathology USC School of Medicine 1840 North Soto Street Los Angeles, California 90032
Business Phone	226-2135
Home Address	
Home Phone	REDACTED
Date of Birth	
Place of Birth	
Citizenship	
Marital Status	
Spouse's First Name	REDACTED
Number of Children	
Social Security Number	

B. Education:

University	Osmania University, Hyderabad, India, B.Sc., 1953 Osmania University, Hyderabad, India, M.Sc., 1955 Osmania University, Hyderabad, India, Ph.D., 1958 London University (School of Hygine and Tropical Medicine), London, Ph.D., 1964 University of California, Irvine, Certificate in continuing Medical Education on course in Feline Leukemia-Sarcoma and Myeloproliferative disease, 1971.
Honors and Awards	Awarded Post-Doctoral Fulbright Scholarship, 1961, Declined Awarded Post-Doctoral Commonwealth Scholarship to complete Ph.D. at London University, 1961 Invited Speaker and Delegate from England for the First International Congress of Parasitology in Rome, 1964.

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C. Professional Background:

Academic Appointments

Lecturer of Microbiology and Parasitology, Women's College, Osmania University, Hyderabad, India, 1956-57 (part time)
Senior lecturer of Microbiology and Parasitology, Warangal College, Osmania University, Hyderabad, India, 1957-58
Senior lecturer and department head, PECHS College, Karachi, West Pakistan, 1958-59
Microbiologist/Helminthologist, Zoological Survey Department, Government of West Pakistan, 1959-61
Wellcome Laboratories, in vitro culture of tissue, viruses and parasites, 1961-64, (part time)
Research Associate in Department of Cancer Research, Mount Vernon Hospital, Northwood, Middlesex, England, 1964-70
Instructor in Pathology, University of Southern California School of Medicine, 1971-72
Assistant Professor of Pathology, University of Southern California School of Medicine, 1972-present

Specific teaching responsibilities

Lectures in Microbiology and Parasitology for graduate and undergraduate students, 1956-57 (part time)
Review of Parasitology course for M.S. students 1959-61
Lectures in Viral Oncology for graduate students, 1972-present

Specific administrative responsibilities

Department Head (Science), PECHS College, Karachi, West Pakistan, 1958-59
Section Head, Zoological Survey Department, Government of West Pakistan, 1959-61
Section Head, Viral Oncology Program, Department of Pathology, University of Southern California School of Medicine, 1971-present

D. Society Memberships:

National

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E. Consultantships:

Local

Dr. Goerge Friou's tissue culture/virology laboratory at the University of Southern California School of Medicine
Post doctoral training in tissue culture/virology of Dr. Ira Roy in Dr. Peters' Department of Pathology at John Wesley Hospital, Los Angeles

F. Research Activities:

Complete Bibliography
Appended

Major Areas of Research Interest

RNA tumor virology and tissue culture, cancer etiology.

Research in Progress

Isolation of viruses from various mammalian tissues, including cat, rat, mouse and humans. Analysis and characterization of tumor viruses.
Viral-chemical cocarcinogenesis in vitro

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BIBLIOGRAPHY

1. Rasheed, S.
The Nematode Parasites of the Birds of Hyderabad.
Biologia 1: 63, 1960.

2. Rasheed, S.
A Revision of the Genus Philometra Costa, 1945.
Journal of Helminthology 37: 89-130, 1963.

3. Rasheed, S.
On Hepatinema Karachiensis, gen. et. sp. nov. Thelaziidae Railliet 1916 from a Marine Fish of Pakistan, with a Note on Genus Filochona (Saidov, 1954 Yamaguti, 1961)
Journal of Helminthology 38: 63-76, 1964.

4. Powell, A. K., Rasheed, S. and Wright, J.
Carcinogenic Action of Propiolactone on Cells Cultivated In Vitro.
British Empire Campaign for Research 42nd Report Part II, 207-209, 1964.

5. Rasheed, S.
On Remarkable New Nematode, Lappetascaris Lutjani, gen, et. sp. nov. Anisakidae; Ascaridoidea from Marine Fishes of Karachi and An Account of Thynnascaris Inquiries (Linton, 1901) N. Comb. and Goezia Intermedia N. Sp.
Journal of Helminthology 39: 313-342, 1965.

6. Rasheed, S.
Additional Notes on the Family Philometridae Baylis and Daubney, 1926 (Dracunculoidea).
Journal of Helminthology 39: 349-362, 1965.

7. Rasheed, S.
Some Parasitic Nematodes from the Cameroons (W. Africa).
Journal of Helminthology 39: 67-100, 1965.

8. Rasheed, S.
A Preliminary Review of the Genus Rhabdochona Railliet, 1916 with Description of a New and Related Genus.
Acta Parasitologica Polonica Warsaw, 13, 42: 407-424, 1965.

9. Rasheed, S.
On Cyrnea (Procyrnea) Chabaudi from a Fish Parastronateus sp. in Pakistan; the First Record of a Habronematid Parasite in a Piscine Host.
Journal of Helminthology 39: 343-348, 1965.

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10. Powell, A. K., Rasheed, S. and Wright, J.
Effects of Carcinogens on Cells Cultured In Vitro.
British Empire Cancer Campaign for Research 43rd Report, 184-185, 1965.

11. Rasheed, S.
Observations on the Spiruroid Nematodes of Fish with a Revision of the Genus Metabronema Yorke and Maplestone, 1926.
Zeitschrift Zool Syst, Evolutions-Forschung 3: 359-387, 1966.

12. Rasheed, S.
On Some Interesting Nematode Parasites of Fish from Pakistan.
Parasitology 56: 151-160, 1966.

13. Rasheed, S.
The Nematodes of the Genus Cacullanus Mueller, 1777 from the Marine Fish of Karachi Coast.
Anales de la Escuela Nacional de Ciencia Biologica, Mexico 15: 23-59, 1966.

14. Rasheed, S.
Effects of Maleic Hydrazide on the Rat Lung Grown In Vitro.
British Empire Cancer Campaign for Research, 44th Report, Part II, 121, 1966.

15. Rasheed, S.
Effects of Urethane on Cells Cultivated In Vitro.
British Empire Cancer Campaign for Research, 44th Report, Part II, 120, 1966.

16. Rasheed, S.
Effects of S 37 Plasma on Cells Cultivated In Vitro I.
British Empire Cancer Campaign for Research 46th Report, 129-130, 1967.

17. Rasheed, S.
Effects of S 37 Plasma on Cells Cultivated In Vitro II.
British Empire Cancer Campaign for Research, 47th Report, 162, 1969.

18. Rasheed, S.
Morphological Transformation of Mouse and Rat Embryo Cells In Vitro by an Agent from S 37 Ascites Tumour.
British Journal of Cancer 25: 142-148, 1971.

19. McAllister, R. M., Nicolson, M., Gardner, M. B., Rongey, R. W., Rasheed, S., Sarma, P. S., Huebner, R. J., Hatanaka, M., Oroszlan, S., Gilden, R. V., Kabigting, A. and Vernon, L.
C-Type Virus Released from Cultured Human Rhabdomyosarcoma Cells.
Nature New Biology 235: 3-6, 1972.

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20. McAllister, R. M., Nicolson, M., Gardner, M. B., Rasheed, S., Rongey, R. W., Hardy, W. D. and Gilden, R. V.
RD-114 Virus Compared with Feline and Murine Type C Viruses Revealed from RD Cells.
Nature 242: 75-78, 1973.

21. Rasheed, S., McAllister, R. M., Henderson, B. E., and Gardner, M. B.
In Vitro Host Range and Serological Studies on RD-114 Virus
Journal of the National Cancer Institute 51: 1383-1385, 1973

22. Gardner, M. B., Johnson, E. Y., Rasheed, S. and McAllister, R. M.
Intracerebral Transplantation of Human Rhabdomyosarcoma Cells into Fetal and Newborn Kittens.
International Journal of Cancer 12: 563-567, 1973.

23. Rasheed, S., Nelson-Rees, W. A., Toth, E. M., Arnstein, P. and Gardner, M. B.
Characterization of a Newly Derived Human Sarcoma Cell Line (HT-1080).
Cancer 33: 1027-1033, 1974.

24. Gardner, M. B., Rasheed, S., Rongey, R. W., Charman, H. P., and Alena, B.
Natural Expression of Feline Type C Virus Genomes, Prevalence of Detectable FeLV and RD-114 gs Antigen, Type C Particles and Infectious Virus in Postnatal and Fetal Cats.
International Journal of Cancer 14: 1974.

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ABSTRACTS

1. Rasheed, S., Charman, H. P., Bruszewski, J., Roy-Burman, P. and Rongey, R. W.
   Cultures of Two Different Rat Strains.
   Amer. Soc. Micro. p 263
   Paper presented at ASM Meeting in Chicago, May, 1974

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Suraiya Rasheed, Ph.D.

PRESENTATIONS

1. 1971, Department of Pathology Seminars:
   Trichinella Infection in Man and Animals
   Isolation of a Transforming Agent from the Plasma of S37 ascites tumor of BALB/c Mouse

2. 1972 June, PACTVIGAR Meeting
   Transformation of Fibroblast from Kaposi Sarcoma by RD-114 Virus

3. 1973 ASM - Florida - A short discussion on the effects of RD-114 Virus on Mammalian Cell Cultures In Vitro

4. 1974 April, PACTVIGR Meeting
   Attempts to Isolate Type C Virus from Human Placenta

5. 1974 ASM - Chicago
   Spontaneous Release of Type C Virus in Primary and Secondary Embryo Cultures of Two Different Rat Strains

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